No.

title. 연습문제 2-2 date.

#1-(a) $y = x\sqrt[3]{x}$

↳ $y = x^{\frac{4}{3}}$

↳ $\frac{dy}{dx} = \frac{4}{3}x^{\frac{1}{3}} = \frac{4}{3}\sqrt[3]{x}$ #

#1-(c) $y = \frac{1+x^2}{1-x^2}$

↳ $\frac{dy}{dx} = \frac{(1+x^2)'(1-x^2) - (1+x^2)(1-x^2)'}{(1-x^2)^2}$

$= \frac{2x(1-x^2) - (-2x)(1+x^2)}{(1-x^2)^2}$

$= \frac{4x}{(1-x^2)^2}$ #

#1-(e) $y = (2-3x)^7$ 연쇄법칙 (합성함수 미분법)

$\frac{dy}{dx} = \frac{d}{du}(u^7) \times \frac{du}{dx}$ $(u = 2-3x)$

$= 7u^6 \times (-3)$

$= -21(2-3x)^6$ #